



Dr. Rakesh Kumar

Education Level	Board / University	Institute	School / College	Marks	CGPA	Year
Secondary	Pune SSC Board	New English School Kutare Chiplun, Maharashtra	New English School Kutare Chiplun, Maharashtra	73.10	0.00	1985
Subjects / Specialization: Marathi, English, Hindi, Maths, Science, & Social Science						
Diploma	MSBTE	Govt. Polytechnic, Ratnagiri	Govt. Polytechnic, Ratnagiri	67.00	0.00	1988
Subjects / Specialization: Civil Engineering						
Graduation	Shivaji University, Kolhapur	KBP College of Engineering Satara, Maharashtra	KBP College of Engineering Satara, Maharashtra	60.91	0.00	1991
Subjects / Specialization: Civil Engineering						
Post Graduation	Dr Babasaheb Ambedkar Marathwada University Aurangabad	SGGS College of Engineering and Technology, Nanded, Maharashtra	SGGS College of Engineering and Technology, Nanded, Maharashtra	65.13	0.00	1996
Subjects / Specialization: Civil-Water Management						
PhD	Indian Institute of Technology, Bombay	Indian Institute of Technology, Bombay	Indian Institute of Technology, Bombay	0.00	0.00	2011
Subjects / Specialization: Water Resources Engineering						

Work Experience (Total: 31Y 6M)

#	Organization	Designation	From	To	Duration
1	SGGS College of Engineering and Technology Nanded	Lecturer Part time	Jul 1994	Apr 1996	1Y 9M
2	Agnel Polytechnic, Vashi	Lecturer (Regular (Approved) by DTE, Maharashtra, Ref: 10 NG/Faculty Approval/2013/792/10 Oct 2013 Equivalent to Degree as per Govt Gazette AICTE NEW DELHI, FRIDAY, MARCH 1, 2019; Experience Considered by University of Mumbai)	Jul 1996	Aug 2004	8Y 1M
3	Agnel Polytechnic, Vashi	Lecturer (Sr Scale) Civil Engineering (Regular (Approved) by DTE, Maharashtra, Ref: 10 NG/Faculty Approval/2013/792/10 Oct 2013 Equivalent to Degree as per Govt Gazette AICTE NEW DELHI, FRIDAY, MARCH 1, 2019; Experience Considered by University of Mumbai)	Sep 2004	Sep 2008	4Y 0M
4	Agnel Polytechnic, Vashi	Lecturer (Selection grade) Civil Engineering (Regular (Approved) by DTE, Maharashtra, Ref: 10 NG/Faculty Approval/2013/792/10 Oct 2013 Equivalent to Degree as per Govt Gazette AICTE NEW DELHI, FRIDAY, MARCH 1, 2019; Experience Considered by University of	Oct 2008	Apr 2010	1Y 6M
5	Agnel Polytechnic, Vashi	Training and placement officer	Apr 2010	Mar 2012	1Y 10M
6	Anjuman-I-Islams Kalsekar Technical Campus, School of Engineering and Technology, Panvel.	Professor and Head (Civil Engineering) - (Regular (Approved by University of Mumbai) Ref: No: CONCOL-IS/ECD/2012-13/43713 dated 1 Nov 2013)	Mar 2012	Aug 2021	9Y 5M
7	Anjuman-I-Islams Kalsekar Technical Campus, School of Engineering and Technology, Panvel.	Professor and Vice -Principal (SoET)	Sep 2021	Jan 2023	1Y 4M
8	Anjuman-I-Islams Kalsekar Technical Campus, School of Engineering and Technology, Panvel.	Professor & I/c Principal	Jan 2023	Dec 2023	0Y 10M
9	Anjuman-I-Islams Kalsekar Technical Campus, School of Engineering and Technology, Panvel.	Professor & Principal (CTAU/SA/ICD/23-24/21407 Dated 12th Feb 2024 Regular (Approved by University of Mumbai))	Dec 2023	Apr 2026	2Y 3M

Research Publication

#	Title	Journal	Year
1	Multi Hazard Seismic Fragility of Very Long Span Cable Stayed Bridges with Tuned Mass Dampers: Parametric Study from 500 M To 700 M Pylons and Programmatic Validation	International Research Journal of Multidisciplinary	Jan-2026
2	Dynamic Analysis And Geometry Optimization Of Lightweight Tensegrity Modules: Prism, Tetrahedron, Octahedron, Icosahedron, And Expanded Variants	International Research Journal Of Multidisciplinary	Mar-2026
3	Assessing Roller Compacted Concrete using GGBS as Partial Cement Replacing Material for Application in Low Traffic Volume Road	International research Journal of multidisciplinary Technovation	Jul-2024
4	Integration BIM-GIS for regulating Urban Housing	Stochastic Modelling and Applications	Jan-2022
5	Intermittent Reservoir Daily Inflow Prediction using Stochastic and Model Tree Techniques	Inst. Eng. India Ser. A(Springer)	Mar-2019
6	Prediction of unconfined compressive and Brazilian tensile strength of fiber reinforced cement stabilized fly ash mixes using multiple linear regression and artificial neural network	International Journal of Advances in Computational Design (Techno Press)	Jul-2017
7	Multi-time-step ahead daily intermittent reservoir inflow prediction by artificial intelligent techniques using lumped and distributed data	Journal of Hydrology Science Direct)	May-2012
8	Soft computing tools in rainfall-runoff modeling.	ISH Journal of Hydraulic Engineering (Taylor and Francis)	Jun-2012
9	Intermittent reservoir daily-inflow prediction using lumped and distributed data multi-linear regression models	Journal of Earth System Sciences Indian Academy of Sciences	Dec-2011
10	Rainfall runoff models using adaptive neuro fuzzy inference system (ANFIS) for an intermittent river	International Journal of Artificial Intelligence (CESR)	Jan-2009

Published Books / Chapters

#	Book Title	Publisher	Institution
1	Complex and Lightweight Tensegrity Structure Under Dynamic and Impact Loads; State of the Art	Lecture Notes in Civil Engineering Emerging Trends in Composite Structures, Springer	AIKTC affiliated to University of Mumbai
2	Dynamic Response of Cable Stayed Bridge under seismic vulnerability Analysis: State of Art	Lecture Notes in Civil Engineering Emerging Trends in Composite Structures, Springer	AIKTC, affiliated to University of Mumbai
3	Traffic Estimation and management using GIS Mapping	Lecture Notes in Civil Engineering Emerging Trends in Composite Structures, Springer	AIKTC affiliated to University of Mumbai
4	Design of New Green Building Using Indian Green Building Council Rating System	RILEM Springer	AIKTC affiliated to University of Mumbai
5	Stability Analysis of Gravity Dam Using Finite Element Method and Particle Swarm Optimization Recent Trends in Civil Engineering	Lecture Notes in Civil Engineering Emerging Trends in Composite Structures, Springer	AIKTC affiliated to University of Mumbai

Administrative Experience (Total: 23Y 5M)

#	Post	Institution	From	To	Duration
1	Professor and Principal	AIKTC School of Engineering and Technology Panvel: Affiliated to University of Mumbai	Dec 2023	Apr 2026	2Y 4M
2	Professor and I/c Principal	AIKTC School of Engineering and Technology Panvel: Affiliated to University of Mumbai	Mar 2023	Dec 2023	0Y 9M
3	Professor and Vice Principal	AIKTC School of Engineering and Technology Panvel: Affiliated to University of Mumbai	Sep 2021	Jan 2023	1Y 4M
4	Dean (Dean Academics Additional Responsibility)	AIKTC School of Engineering and Technology Panvel: Affiliated to University of Mumbai	Mar 2012	Oct 2021	9Y 7M
5	Professor and Head of the Department	AIKTC School of Engineering and Technology Panvel: Affiliated to University of Mumbai	Mar 2012	Aug 2021	9Y 5M

Major Research

#	Project Title	Value	Agency	From	To	Duration
1	Development of IoT Based Intelligent system for Real Time Soil and Crop Optimization (DST Proposal Submitted)	27.74 Lakh	DST (Submitted)	Feb 2026	Feb 2026	0Y 0M

International Experience

#	Organization / Body	Experience
1	J-WEL Massachusetts Institute of Technology (MIT), Cambridge USA, global Membership	Workshop on Architectures of Learning: A Leadership Program March 13 to March 16, 2023

Leadership Experience

#	Brief Description
1	Dean Academics: Established CAAA, CiTeL and the Centre for Value Added Courses, and introduced a rubric-based academic audit from pre-term to post-result stages, strengthening OBE and quality processes. The initiative, now in Version 3
2	IQAC Head:Led two NAAC cycles, NIRF participation, AQAR submission, and NBA preparation; organised national and international conferences, conducted NEP 2020 awareness sessions, and secured ISO 9001:2015 and ISO 14001:2015 certifications.
3	Head of the Department:Introduced the PG programme in Construction Engineering and Management, established the PhD Research Centre in Civil Engineering, strengthened laboratories, academic planning and faculty development, and guided prize-winning student
4	Principal:Led UGC autonomy, introduced new AI/DS and PG programmes, implemented NEP 2020, instituted mentorship and inter-departmental academic audit, supported CiTeL, CAAA, incubation and library automation, and launched MIT-inspired learning initiatives
5	Chairman, Board of Studies in Civil Engineering and Member of the Academic Council:Contributed to CBCGS revisions under R-12, R-16 and R-19, NEP 2020 curriculum design, result moderation, staff selection, Academic Council work in autonomous institutes,

Statutory Authorities

#	Institution	Statutory Forum	From	To
1	University of Mumbai	Member of the Board of Studies in Civil Engineering	Sep 2017	Aug 2022
2	University of Mumbai	Chairman Board of Studies in Civil Engineering	Sep 2022	Aug 2027
3	University of Mumbai	Member of the Academic Council	Sep 2022	Aug 2027
4	University of Mumbai	Member of the Research and Recognition Committee	Sep 2022	Aug 2027
5	University of Mumbai	Member of the Board of Studies in Civil Engineering	Jan 2019	Jan 2024
6	K J Somaiya Polytechnic Vidyavihar Mumbai	Member of the Board of Studies in Civil Engineering	May 2018	Jan 2025
7	Amity University Mumbai	Board of studies in civil Engineering	Jul 2019	Jan 2024

Quality Assurance Experience

#	Area	Institution	From	To	Achievements
1	ISO Certifications	AIKTC Parent Institute	Oct 2020	Apr 2026	Obtained ISO 9001-2015 certification for quality management system for systems and procedures as well as IS 14001-2015 for environmental management system.
2	Assessment and accreditation procedures	Anjuman-I-Islam’s Kalsekar Technical Campus, Panvel, Affiliated to University of Mumbai	Oct 2020	Apr 2026	Obtained NAAC Accreditation 1st & 2nd Cycle (30 January 2025 to 29 January 2030)
3	Autonomy	Anjuman-I-Islam’s Kalsekar Technical Campus, School of Engineering And Technology, Panvel.	Dec 2023	Apr 2026	Granted Academic Autonomy by UGC for Five years (2025-2030)

PhD Student Guided

#	Guide No	Co-Guide No
1	5	-

Youth Development Experience

#	Activity	Institution	Achievements	From	To	Duration
1	National Level Intercollegiate 32 hours Hackathon, titled, Algorithm 7.0	Anjuman-I-Islam’s Kalsekar Technical Campus, Panvel, Affiliated to University of Mumbai	37 teams shortlisted out of 106 registered teams. The teams worked on digital solutions for 9 problem statements based on 17 United Nations SDGs.	Mar 2023	Mar 2023	0Y 0M
2	National Level Intercollegiate 32 hours Hackathon, titled, Algorithm 8.0	Anjuman-I-Islam’s Kalsekar Technical Campus, Panvel, Affiliated to University of Mumbai	46 teams shortlisted out of 120 registered teams. The teams worked on digital solutions for 11 problem statements based on Open Source Tools and Technology.	Mar 2024	Mar 2024	0Y 0M
3	National Level Intercollegiate 32 hours Hackathon, titled, Algorithm 9.0	Anjuman-I-Islam’s Kalsekar Technical Campus, Panvel, Affiliated to University of Mumbai	65 teams shortlisted out of 185 registered teams. The teams worked on digital solutions for problem statements based on AI in (Healthcare, Education, Cyber Security, Open Innovation).	Feb 2025	Feb 2025	0Y 0M
4	Internal Smart India Hackathon	Anjuman-I-Islam’s Kalsekar Technical Campus, Panvel, Affiliated to University of Mumbai	To create awareness about SIH, a targeted campaign was carried out, primarily focusing on students from the Computer Engineering, ECS, and Electrical branches. A total of 35 teams registered and participated.	Sep 2023	Sep 2023	0Y 0M
5	National Level Technical Project Competition Technoscope 2K2024	Anjuman-I-Islam’s Kalsekar Technical Campus, Panvel, Affiliated to University of Mumbai	Total 168 teams have been participated of various 14 domains.	Mar 2024	Mar 2024	0Y 0M
6	“ Pitch Carnival competition ” under Incubation Centre	Anjuman-I-Islam’s Kalsekar Technical Campus, Panvel, Affiliated to University of Mumbai	Show case start ups ideas	Feb 2026	Feb 2026	0Y 0M